

SEQUENCE LISTING

<110> Siegel, Donald L.

<120> Rh(D) -BINDING PROTEINS AND MAGNETICALLY ACTIVATED CELL
SORTING METHOD FOR PRODUCTION THEREOF

<130> 09596-42U2

<140> 09/240,274

<141> 1999-01-29

<150> 60/081,380

<151> 1998-04-10

<150> 60/028,550

<151> 1996-10-11

<160> 224

<170> PatentIn Ver. 2.0

<210> 1

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain B01

<400> 1

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Ser Tyr
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ala Thr Ala Tyr Asp Gly Lys Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Phe
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Phe Tyr Cys
85 90 95

Ala Arg Gly Gly Phe Tyr Tyr Asp Ser Ser Gly Tyr Tyr Gly Leu Arg
100 105 110

His Tyr Phe Asp Ser Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 2
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain C01

<400> 2
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Val Ile Ser Tyr Asp Gly His His Lys Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Phe Asp
100 105 110

Ile Trp Gly Pro Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 3
<211> 124
<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C03

<400> 3

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln His Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Val Ile Ser Tyr Asp Gly His His Lys Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Phe Asp
100 105 110

Ile Trp Gly Pro Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 4

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C04

<400> 4

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Thr Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Val Ile Ser Tyr Asp Gly His Asn Lys Asn Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Ile Pro Phe Asp
 100 105 110

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
 115 120

<210> 5
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain C04

<400> 5
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Thr Asn Lys Tyr Phe Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr
 65 70 75 80

Leu Gln Met Thr Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Phe Cys
 85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Leu Asp
 100 105 110

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser

<210> 6
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain C08

<400> 6
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr
 20 25 30
 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Val Ile Ser Tyr Asp Gly Thr Asn Lys Tyr Phe Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Thr Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Phe Cys
 85 90 95
 Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Leu Asp
 100 105 110
 Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
 115 120

<210> 7
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain C10

<400> 7
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Val Ile Ser Tyr Asp Gly His His Lys Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Phe Asp
100 105 110

Ile Trp Gly Pro Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 8

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D01

<400> 8

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85

90

95

Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 9
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain D03

<400> 9
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Glu Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Glu Val Val Arg Gly Val Ile Leu Trp Ser Arg Lys Phe
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 10
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>

<223> anti-Rh(D) chain D04

<400> 10

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Ala Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Ser Leu Arg Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Asp Ile Trp Phe Asp Gly Ser Asn Lys Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Trp Arg Val Arg Ala Phe Ser Ser Gly Trp Leu Ser Ala
100 105 110

Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120 125

<210> 11

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D05

<400> 11

Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Ala Gln Pro Gly
1 5 10 15

Arg Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Ser Leu Arg Ser
20 25 30

Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
35 40 45

Val Ala Asp Ile Trp Phe Asp Gly Ser Asn Lys Asp Tyr Ala Asp Ser

50	55	60
Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu		
65	70	75 80
Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr		
	85	90 95
Cys Ala Arg Asp Trp Arg Val Arg Ala Phe Ser Ser Gly Trp Leu Ser		
100	105	110
Ala Phe Asp Ile Trp Gly Gln Gly Thr Thr Val Ser Val Ser Ser		
115	120	125

<210> 12
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain D07

<400> 12
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Phe Thr Leu Thr Asn Tyr
20 25 30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ala His Val Trp Tyr Asp Gly Ser Lys Thr Glu Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Ala Val Ser Arg Asp Lys Ser Lys Asn Thr Leu Phe
65 70 75 80
Leu Gln Met Asn Ser Leu Thr Ala Glu Asp Thr Ala Ile Tyr Tyr Cys
85 90 95
Ala Arg Glu Arg Arg Glu Lys Val Tyr Ile Leu Phe Tyr Ser Trp Leu
100 105 110
Asp Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 13
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain D08

<400> 13
 Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Val Gln Pro Gly
 1 5 10 15
 Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser
 20 25 30
 Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp
 35 40 45
 Val Ala Leu Ile Trp Tyr Asp Gly Gly Asn Lys Glu Tyr Ala Asp Ser
 50 55 60
 Val Lys Gly Arg Phe Ser Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
 65 70 75 80
 Tyr Leu Gln Val Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr
 85 90 95
 Cys Ala Arg Asp Gln Arg Ala Ala Ala Gly Ile Phe Tyr Tyr Ser Arg
 100 105 110
 Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
 115 120 125

<210> 14
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain D09

<400> 14
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Glu Ala Ser Lys Phe Thr Leu Tyr Asn Tyr

20	25	30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val		
35	40	45
Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Glu Asp Ser Val		
50	55	60
Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr		
65	70	75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys		
	85 90	95
Ala Arg Glu Gly Ser Lys Lys Val Ala Leu Ser Arg Tyr Tyr Tyr Tyr		
100	105	110
Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser		
115	120	125
<210> 15		
<211> 126		
<212> PRT		
<213> Homo sapiens		
<220>		
<223> anti-Rh(D) chain D10		
<400> 15		
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg		
1	5	10 15
Ser Leu Arg Leu Ser Cys Glu Ala Ser Lys Phe Thr Leu Tyr Asn Tyr		
20	25	30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val		
35	40	45
Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Glu Asp Ser Val		
50	55	60
Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr		
65	70	75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys		
	85 90	95

Ala Arg Glu Gly Ser Lys Lys Val Ala Leu Ser Arg Tyr Tyr Tyr Tyr
100 105 110

Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120 125

<210> 16
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain D11

<400> 16
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Lys Phe Thr Leu Tyr Asn Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Glu Gly Leu Glu Trp Val
35 40 45

Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Val Ser Lys Lys Leu Ala Leu Ser Arg Tyr Tyr Tyr Tyr
100 105 110

Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120 125

<210> 17
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain D12

<400> 17

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ala Cys Ala Ala Ser Gly Phe Ser Phe Arg Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val
35 40 45

Ala Phe Thr Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Val Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Glu Met Asn Ser Leu Arg Val Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Ala Ser Met Leu Arg Gly Ile Ser Arg Tyr Tyr Tyr Ala
100 105 110

Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser
115 120 125

<210> 18

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D13

<400> 18

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Arg Asp Tyr Ala Glu Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Lys Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Ser Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Asn Val Ala Arg Gly Gly Gly Gly Val Arg Tyr Lys Tyr
 100 105 110

Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 19

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D14

<400> 19

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Lys Arg Asp Tyr Ala Glu Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Ser Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Asn Val Ala Arg Gly Gly Gly Gly Ile Arg Tyr Lys Tyr
 100 105 110

Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 20

<211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain D15

<400> 20
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr
 20 25 30
 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe
 100 105 110
 Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 21
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain D16

<400> 21
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 22

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D17

<400> 22

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 23
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain D18

<400> 23
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Phe Thr Phe Asn Asn Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Ser Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Asn Gln Ile Lys Leu Trp Ser Arg Tyr Leu Tyr Tyr Phe
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 24
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain D20

<400> 24

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Glu Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Glu Val Val Arg Gly Val Ile Leu Trp Ser Arg Lys Phe
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 25

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D30

<400> 25

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Gly Met Arg Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Val Tyr Tyr Asp Gly Ser Asn Lys His Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Arg Asn Phe Arg Ser Gly Tyr Ser Arg Tyr Tyr Tyr Gly
100 105 110

Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser
115 120 125

<210> 26

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D31

<400> 26

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Val Tyr Tyr Asp Gly Ser Asn Lys His Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Arg Asn Phe Arg Ser Gly Tyr Ser Arg Tyr Tyr Tyr Gly
100 105 110

Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser
115 120 125

<210> 27

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain E01is

<400> 27

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Asn Ser Asn Thr Tyr Ile Tyr Tyr Ala Asp Ala Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Ser Arg Tyr Ser Asn Phe Leu Arg Trp Val Arg Ser Asp
100 105 110

Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val Ile Val Ser Ser
115 120 125

<210> 28

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain E03

<400> 28

Glu Val Gln Leu Leu Glu Ser Gly Val Glu Ser Gly Gly Gly Leu Val
1 5 10 15

Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
20 25 30

Phe Ser Ser Tyr Ser Met His Trp Val Arg Gln Gly Pro Gly Lys Gly
35 40 45

Leu Glu Trp Val Ser Ser Ile Ser Asn Ser Asn Thr Tyr Ile Tyr Tyr
 50 55 60

Ala Asp Ala Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
 65 70 75 80

Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu His Thr Ala
 85 90 95

Val Tyr Tyr Cys Ala Arg Asp Ser Arg Tyr Ser Asn Phe Leu Arg Trp
 100 105 110

Val Arg Ser Asp Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val Ile
 115 120 125

Val Ser Ser
 130

<210> 29

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain F01

<400> 29

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Phe Arg Asn Asp Leu
 20 25 30

Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile Tyr
 35 40 45

Ala Thr Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Asn Ser Leu Gln Pro Glu
 65 70 75 80

Asp Ser Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Phe Pro Trp Thr
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg

100

105

<210> 30
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain G01

<400> 30
 Ala Glu Leu Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly Glu
 1 5 10 15
 Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu His Ser Ser
 20 25 30
 Gly Phe Asn Phe Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro
 35 40 45
 Gln Leu Leu Ile Tyr Met Gly Ser Asn Arg Ala Ser Gly Val Pro Asp
 50 55 60
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Asn
 65 70 75 80
 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Ala Leu
 85 90 95
 Gln Phe Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
 100 105 110

<210> 31
 <211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain H01

<400> 31
 Ala Glu Leu Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Thr Ser Tyr Leu
20 25 30

Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ala Ser Leu Gln Pro Asp
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Leu Asn Asn Tyr Pro Pro Phe
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
100 105

<210> 32

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I01

<400> 32

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg

100

105

<210> 33
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain I02

<400> 33
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
 20 25 30
 Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45
 Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Leu Trp Thr
 85 90 95
 Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 100 105

<210> 34
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain I03

<400> 34
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Ala Asp
 1 5 10 15
 Arg Val Thr Ile Thr Cys Arg Thr Ser Arg Asn Ile Asn Arg Tyr Leu
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Thr Ser Leu Gln Pro Glu
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Phe Thr
 85 90 95

Phe Gly Pro Gly Thr Lys Val Asp Leu Lys Arg
 100 105

<210> 35

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I04

<400> 35

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asn Ile Arg Arg Ser Leu
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ser Asn Thr Pro Trp Thr
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 100 105

<210> 36
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain I05

<400> 36
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Arg Arg Tyr Leu
 20 25 30
 Asn Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Phe
 35 40 45
 Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Thr Gly Ser
 50 55 60
 Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Gln Thr
 85 90 95
 Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 100 105

<210> 37
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain I06

<400> 37
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
 20 25 30
 Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Ile Thr
85 90 95

Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg
100 105

<210> 38

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I07

<400> 38

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Arg Thr
85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 39

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I08

<400> 39

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Arg Thr
85 90 95

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 40

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I09

<400> 40

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Ser Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Leu Asn Ser Tyr Pro Tyr Thr
85 90 95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 41

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I10

<400> 41

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asn Ile Ser Ser Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Leu Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Tyr
85 90 95

Ser Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 42

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I11

<400> 42

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Thr Leu Leu Ile Asn
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Ile Tyr Tyr Cys Gln Gln Arg Glu Thr Phe Gly Gln Gly
85 90 95

Thr Lys Leu Glu Ile Lys Arg
100

<210> 43

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I12

<400> 43

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 44

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I13

<400> 44

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Arg Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Gly Thr Pro His Ser
85 90 95

Phe Gly Arg Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 45

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I15

<400> 45

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Asn Gln Asn Ile Arg Arg Ser Leu
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Thr Leu Gln Gly Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Leu Ala
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Ser Ala Thr Pro Trp Thr
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 100 105

<210> 46

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain I16

<400> 46

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Pro Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Gly Phe Asn Leu
 20 25 30

Asn Trp Tyr Gln Gln Thr Ser Gly Lys Pro Pro Lys Leu Leu Ile Tyr
 35 40 45

Gly Val Ser Lys Leu Gln Asn Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Asn Asp Ala Leu Trp Thr
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Val Arg Arg
 100 105

<210> 47
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain J01

<400> 47
 Ala Glu Leu Gln Asp Pro Val Val Ser Val Ala Leu Gly Gln Thr Val
 1 5 10 15

Arg Ile Thr Cys Gln Gly Asp Gly Leu Arg Ser Tyr Tyr Ala Ser Trp
 20 25 30

Tyr Gln Gln Lys Pro Gly Gln Ala Pro Lys Leu Val Met Tyr Gly Arg
 35 40 45

Asn Asn Arg Pro Ser Gly Ile Pro Gly Arg Phe Ser Gly Ser Ser Ser
 50 55 60

Gly Gln Thr Ala Ala Leu Thr Ile Thr Gly Thr Gln Ala Glu Asp Glu
 65 70 75 80

Ala Asp Tyr Tyr Cys Gln Ser Arg Ala Thr Ser Gly Asn Pro Val Val
 85 90 95

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 48
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain J02

<400> 48
 Ala Glu Leu Gln Asp Pro Val Val Ser Val Ala Leu Gly Gln Thr Val
 1 5 10 15

Arg Ile Thr Cys Gln Gly Asp Gly Leu Arg Ser Tyr Tyr Ala Ser Trp
 20 25 30

Tyr Gln Gln Lys Pro Gly Gln Ala Pro Lys Leu Val Met Tyr Gly Arg
 35 40 45

Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser
 50 55 60

Gly Gln Thr Ala Ala Leu Thr Ile Thr Gly Thr Gln Ala Glu Asp Glu
 65 70 75 80

Ala Asp Tyr Tyr Cys Gln Ser Arg Ala Thr Ser Gly Asn Pro Val Val
 85 90 95

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 49

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain J04

<400> 49

Ala Glu Leu Gln Asp Pro Val Val Ser Val Ala Leu Gly Gln Thr Val
 1 5 10 15

Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp
 20 25 30

Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys
 35 40 45

Asn Ser Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser
 50 55 60

Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu
 65 70 75 80

Ala Asp Tyr Tyr Cys Ser Ser Arg Gly Ser Pro His Val Ala Phe Gly
 85 90 95

Gly Gly Thr Lys Leu Thr Val Leu
 100

<210> 50
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain J05

<400> 50
 Ala Glu Leu Gln Asp Pro Val Val Ser Val Ala Leu Gly Gln Thr Val
 1 5 10 15
 Lys Ile Thr Cys Gln Gly Asp Ser Leu Arg Lys Tyr Tyr Ala Ser Trp
 20 25 30
 Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Phe Tyr Ala Arg
 35 40 45
 Asn Ser Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Asn Ser
 50 55 60
 Gly Thr Thr Ala Ser Leu Thr Ile Ala Gly Ala Arg Ala Glu Asp Glu
 65 70 75 80
 Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Asn Gly His His Arg Val
 85 90 95
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 51
 <211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain K01

<400> 51
 Ala Glu Leu Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
 1 5 10 15
 Val Thr Leu Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Arg Tyr
 20 25 30

Phe Pro Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Arg Pro Leu
 35 40 45

Ile Tyr Ser Ala Ser Asn Lys His Ser Trp Thr Pro Ala Arg Phe Ser
 50 55 60

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
 65 70 75 80

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Leu Leu Tyr Tyr Ser Gly Ala
 85 90 95

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 52

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain K02

<400> 52

Ala Glu Leu Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
 1 5 10 15

Val Thr Leu Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Arg Tyr
 20 25 30

Phe Pro Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Arg Pro Leu
 35 40 45

Ile Tyr Ser Ala Ser Asn Lys His Ser Trp Thr Pro Ala Arg Phe Ser
 50 55 60

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
 65 70 75 80

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Leu Leu Tyr Tyr Ser Gly Ala
 85 90 95

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 53

<211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain K03

<400> 53

Ala Glu Leu Thr Gln Pro Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
 1 5 10 15

Val Thr Leu Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Arg Tyr
 20 25 30

Phe Pro Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Arg Ala Leu
 35 40 45

Ile Tyr Gly Ser Asn Asn Lys His Ser Trp Thr Pro Ala Arg Phe Ser
 50 55 60

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
 65 70 75 80

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Leu Leu Phe Tyr Ala Gly Ala
 85 90 95

Trp Ala Phe Gly Gly Trp Thr Lys Leu Thr Val Leu
 100 105

<210> 54
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain L01

<400> 54

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
 1 5 10 15

Val Thr Ile Ser Cys Ser Gly Gly Ser Ser Asn Ile Ala Ser Asn Thr
 20 25 30

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
 35 40 45

Tyr Ser Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
 50 55 60

Ser Lys Ser Gly Thr Ser Ala Thr Leu Val Ile Thr Gly Leu Gln Thr
 65 70 75 80

Gly Asp Glu Ala Asp Tyr Tyr Cys Gly Thr Trp Asp His Ser Arg Ser
 85 90 95

Gly Ala Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 55

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain L03

<400> 55

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
 1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn His
 20 25 30

Val Ser Trp Tyr Gln Gln Leu Pro Gly Met Ala Pro Lys Leu Leu Ile
 35 40 45

Tyr Ser Asn Gly Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
 50 55 60

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser
 65 70 75 80

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp His Asp Ser Leu Tyr
 85 90 95

Gly Pro Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 56

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain L04

<400> 56

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
1 5 10 15

Val Ser Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr
20 25 30

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
35 40 45

Ser Thr Asn Asn Gln Gly Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
50 55 60

Ser Lys Ser Gly Thr Ser Ser Ser Leu Ala Ile Ser Gly Leu Arg Ser
65 70 75 80

Glu Ala Glu Asp Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Thr Leu Asn
85 90 95

Gly Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 57

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain L05

<400> 57

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Leu Arg
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Ile
20 25 30

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
35 40 45

Phe Ser Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
50 55 60

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser
65 70 75 80

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Asn
85 90 95

Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 58

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain M01

<400> 58

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Asn Phe Asn Ile Gly Ser Asn Tyr
20 25 30

Val Phe Trp Tyr Gln His Val Pro Gly Thr Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asn Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Leu Ser Gly
50 55 60

Ser Lys Ser Gly Ala Ser Ala Ser Leu Ala Ile Asn Gly Leu Arg Ser
65 70 75 80

Asp Asp Glu Ala Asp Tyr Tyr Cys Thr Gly Trp Asp Asp Arg Leu Ser
85 90 95

Gly Leu Ile Phe Gly Gly Gly Pro Lys Val Thr Val Leu
100 105

<210> 59

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain M02

<400> 59

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Tyr
20 25 30

Val Tyr Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
50 55 60

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser
65 70 75 80

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser
85 90 95

Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 60

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain M03

<400> 60

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Tyr
20 25 30

Val Tyr Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
50 55 60

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser
65 70 75 80

Glu Ala Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser
85 90 95

Ala Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Leu
100 105 110

<210> 61

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain N01

<400> 61

Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Asp Ser Asn Tyr
20 25 30

Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
35 40 45

Phe Asp Asn Tyr Arg Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly
50 55 60

Ser Lys Ser Gly Thr Ser Ala Thr Leu Gly Ile Thr Gly Leu Gln Thr
65 70 75 80

Gly Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Asn
85 90 95

Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 62

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain N02

<400> 62

Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys

1	5	10	15
Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn Tyr			
20	25	30	
Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile			
35	40	45	
Tyr Asp Asn Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly			
50	55	60	
Ser Lys Ser Gly Thr Ser Ala Thr Leu Gly Ile Thr Gly Leu Gln Thr			
65	70	75	80
Gly Asp Glu Ala Asp Tyr Tyr Cys Gly Thr Trp Asp Ser Ser Leu Ser			
85	90	95	
Ala Gly Arg Val Arg Arg Met Phe Gly Gly Gly Thr Lys Leu Thr Val			
100	105	110	

Leu Gly

<210> 63
 <211> 110
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> anti-Rh(D) chain 001

<400> 63
Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg
1 5 10 15
Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Pro Tyr
20 25 30
Gly Val His Trp Tyr Gln Gln Phe Pro Gly Thr Ala Pro Lys Leu Val
35 40 45
Ile Tyr Asn Asp Asn Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60
Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65 70 75 80

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu
85 90 95

Ser Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 64

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain 002

<400> 64

Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Thr
1 5 10 15

Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Ser Ile Gly Ala Arg Tyr
20 25 30

Asp Val His Trp Tyr Gln His Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Gly Asn His Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65 70 75 80

Ala Glu Asp Glu Ala Glu Tyr Tyr Cys Gln Ser Tyr Asp Asn Ser Leu
85 90 95

Ser Gly Ser Ser Val Phe Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 65

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain 003

<400> 65

Ala Glu Leu Thr Gln Pro Pro Ser Gly Ala Pro Gly Gln Thr Val Thr
1 5 10 15

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val
20 25 30

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
50 55 60

Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly
85 90 95

Pro Tyr Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 66

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain P01

<400> 66

Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Arg Gln Thr
1 5 10 15

Ala Arg Ile Thr Cys Gly Gly Asp Lys Ile Gly Ser Asn Thr Val His
20 25 30

Trp Tyr Arg Gln Met Ser Gly Gln Ala Pro Val Leu Val Ile Tyr Glu
35 40 45

Asp Lys Lys Arg Pro Pro Gly Ile Pro Glu Arg Phe Ser Gly Ser Thr
50 55 60

Ser Gly Thr Thr Ala Thr Leu Ser Ile Ser Gly Ala Gln Val Glu Asp
65 70 75 80

Glu Ala Asp Tyr Tyr Cys Tyr Ser Arg Asp Asn Ser Gly Asp Gln Arg
85 90 95

Arg Val Phe Gly Ala Gly Thr Lys Leu Thr Val Leu
100 105

<210> 67
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain Q01

<400> 67
Ala Glu Leu Thr Gln Pro Pro Ser Ala Thr Ala Ser Leu Gly Gly Ser
1 5 10 15

Val Lys Leu Thr Cys Ile Leu Gln Ser Gly His Arg Asn Tyr Ala Val
20 25 30

Ala Trp His His Gln Glu Ala Gly Lys Gly Pro Arg Phe Leu Met Thr
35 40 45

Val Thr Asn Asp Gly Arg His Ile Lys Gly Asp Gly Ile Pro Asp Arg
50 55 60

Phe Ser Gly Ser Ala Ser Gly Ala Glu Arg Tyr Leu Ser Ile Ser Gly
65 70 75 80

Leu Gln Ser Glu Asp Glu Gly Asp Tyr Tyr Cys Gln Thr Trp Gly Thr
85 90 95

Gly Met His Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 68
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain R01

<400> 68
Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Ser Pro Gly Gln Ser

1	5	10	15
Val Thr Ile Ser Cys Thr Gly Ala Ser Ser Asp Val Gly Ala Tyr Lys			
20	25	30	
His Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Leu			
35	40	45	
Thr His Glu Gly Thr Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser			
50	55	60	
Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Val Ser Gly Leu Gln			
65	70	75	80
Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Phe Ala Gly Asn Ser			
85	90	95	
Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu			
100	105		

<210> 69
 <211> 104
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain S01

<400> 69

Ala Glu Leu Thr Gln Pro Pro Ser Val Ser Gly Ser Pro Gly Gln Ser			
1	5	10	15
Ile Thr Ile Ser Cys Ser Asp Val Gly Asn Tyr Asn Leu Val Ser Trp			
20	25	30	
Tyr Gln Gln Tyr Pro Gly Lys Ala Pro Lys Leu Ile Ile Tyr Glu Gly			
35	40	45	
Ser Lys Arg Pro Ser Gly Val Ser Ser Arg Phe Ser Gly Ser Arg Ser			
50	55	60	
Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu			
65	70	75	80
Ala Asp Tyr His Cys Cys Ser Tyr Ala Ile Ser Ser Arg Ile Phe Gly			
85	90	95	

Gly Gly Thr Lys Leu Thr Val Leu
100

<210> 70
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain B01

<400> 70
gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cctctggatt caccttcagg agctatgcta tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtggcagct acagcatatg atggaaaaaa taaatactac 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgttt 240
ctgcaaatga acagcctgag agctgaggac acggctgtgt tttactgtgc gagaggcgga 300
ttttactatg atagtagtgg ttattacggc ttgaggcact actttgactc ctggggccag 360
ggaaccctgg tcaccgtctc ctca 384

<210> 71
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain C03

<400> 71
gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cctctggatt ctccttcagt agctatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtgtcagtt atatcatatg atggacatca taaaaactat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtac 240
ctgcaaatga acagcctgag acctgaggac acggctgtat attactgtgc gaacctaaagg 300
ggggaagtaa ctgcgtcgtgc gtctgttccc tttgatattc gggggccagg gacaatggtc 360
accgtctctt ca 372

<210> 72
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain C01

<400> 72
gaggtgcagc tgctcgagtc ggggggaggt gtggtccagc atgggaggtc cctgagactg 60

tcctgtgcag cctctggatt ctccttcagt agctatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagt ggtgtcagtt atatcatatg atggacatca taaaaactat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtac 240
ctgcaaatga acagcctgag acctgaggac acggctgtat attactgtgc gaacctaaagg 300
ggggaagtaa ctcgtcgtgc gtctgttccc tttgatatat ggggccagg gacaatggtc 360
accgtgtctt ca 372

<210> 73

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C04

<400> 73

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cctctggatt ctccttcagt acctatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagt ggtgtcagtt atatcatatg atggacataa taaaaactat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtac 240
ctgcaaatga acagcctgag acctgaggac acggctgtgt attactgtgc gaacctaaagg 300
ggggaagtaa ctcgtcgtgc gtctattcct tttgatattc ggggccagg gacaatggtc 360
accgtctctt ca 372

<210> 74

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C05

<400> 74

gaggtgcagc tgctcgagtc ggggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cctctggatt cagcttcagt agttatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagt ggtggcagtt atatcgtatg atggaactaa taaatacttt 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtat 240
ctgcaaatga ccagcctgag acctgaggac acggctgtgt atttctgtgc gaacctaaagg 300
ggggaagtaa ctcgtcgtgc gtccgtacct cttgatattc ggggccagg gacaatggtc 360
accgtctctt ca 372

<210> 75

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C08

<400> 75

gaggtgcagc tgctcgagtc ggggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cctctggatt cagcttcagt agttatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtggcagtt atatcgtatg atggaactaa taaatacttt 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtat 240
ctgcaaata ga ccagcctgag acctgaggac acggctgtgt atttctgtgc gaacctaaagg 300
ggggaagtaa ctcgtcgtgc gtctgtacct cttgatattct ggggccaagg gacaattggc 360
accgtctctt ca 372

<210> 76

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain C10

<400> 76

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cctctggatt ctccttcagt agctatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtgtcagtt atatcatatg atggacatca taaaaactat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa aacgctgtac 240
ctgcaaata ga acagcctgag acctgaggac acggctgtat attactgtgc gaacctaaagg 300
ggggaagtaa ctcgtcgtgc gtctgttccc tttgatattct ggggcccagg gacattggc 360
accgtctctt ca 372

<210> 77

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D01

<400> 77

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgtag tgtctggttt caccttcaat aactatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240
ctgcaaata ga acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300
cagataaagc tatgggtccc atacctttac tacttttgatt actggggcca ggggaacctg 360
gtcacctgtt cctca 375

<210> 78

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D03

<400> 78

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cgtctggatt caccttcagt acctatggca tgcactgggt ccgccaggct 120
ccaggcaagg gactggagtg ggtggcagtt atatggtttg atggaagtaa taaggaatat 180
gcagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240
ctacaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagaa 300
gtggttcggg gagttatctt atggtctcgg aagtttgact actggggcca gggaaccctg 360
gtcaccgtct cctca 375

<210> 79

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D04

<400> 79

gaggtgcagc tgctcgagtc ggggggaggc gtggcccagc ctgggaggtc cctgagactc 60
tcctgtgtag cgtctggatt cagcctcagg agctatggca tgcactgggt ccgccaggct 120
cctggcaagg ggctggagtg ggtggcagat atatggtttg atggaagtaa taaagattat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgttgat 240
cttcaaataga acagcctgag agccgaggat acggctgtgt attattgtgc gagagattgg 300
agggtgcggg ccttttagtag tggctgggta agtgcttttg atatctgggg ccaagggaca 360
atggtcaccg tctcctca 378

<210> 80

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D05

<400> 80

gaggtgcagc tgctcgagga gtctggggga ggcgtggccc agcctgggag gtccttgaga 60
ctctcctgtg tagcgtctgg attcagcctc aggagctatg gcatgactg ggtccgccag 120
gtccttgga aggggctgga gtgggtggca gatatatggt ttgatggaag taataaagat 180
tatgcagact ccgtgaaggg ccgattcacc atctccagag acaattccaa gaacacgttg 240
tatcttcaaa tgaacagcct gagagccgag gacacggctg tgtattattg tgcgagagat 300
tggagggtgc gggccttttag tagtggctgg ttaagtgctt ttgatatctg gggccaaggg 360
accacggtca gcgtctcctc a 381

<210> 81

<211> 375
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain D07

<400> 81
gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag tgctctggatt caccctaact aattatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtggcacat gtctggtatg atggaagtaa aacagaatat 180
gcagactccg tcaagggccg attcgccgtc tccagagaca aatccaagaa cacactgttt 240
ctgcaaatga acagcctgac agccgaggac acggctattt attactgtgc gagagagagg 300
agagagaaaag tctatatatt gttctactcg tggctcgacc gctggggcca gggaaccctg 360
gtcaccgtct cctca 375

<210> 82
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain D08

<400> 82
gaggtgcagc tgctcgagga gtctggggga ggcgtgggtcc agcctgggag gtccctgaga 60
ctctcctgtg cagcgtctgg gtccaccttc agtagctatg gcatgcactg ggtccgccag 120
gtccaggca gggggctgga gtgggtggct cttatatggt acgatggagg taacaaagag 180
tatgcagact ccgtgaaggg ccgcttcagc atctccagag acaattccaa gaacactctg 240
tatctgcaag tgaacagcct gagagccgac gacacggctg tctattactg tgcgagagac 300
cagagagcag cagcgggtat cttttattat tcccgtatgg acgtctgggg ccaagggacc 360
acgggtcaccg tctcctca 378

<210> 83
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain D09

<400> 83
gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgaag cgtctaaatt caccctctac aattatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180
gaagactccg tgaagggccg attcacgctc tccagagaca attccaagaa cacgctgtat 240
ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagga 300
tctaagaagg tggcactttc taggtattac tattatatgg acgtctgggg ccaggggacc 360

acggtcactg tctcgtca

378

<210> 84

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D10

<400> 84

gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgaag cgtctaaatt caccctctac aattatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180
gaagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240
ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagta 300
tctaagaagg tggcactttc taggtattac tactatatgg acgtctgggg ccaggggacc 360
acggtcactg tctcctca 378

<210> 85

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D11

<400> 85

gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgaag cgtctaaatt caccctctac aattatggca tgcactgggt ccgccaggct 120
ccaggcgaag ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180
gcagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240
ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagta 300
tctaagaagc tggcactttc taggtactac tactatatgg acgtctgggg ccaggggacc 360
acggtcactg tctcctca 378

<210> 86

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D12

<400> 86

gaggtgcagc tgctcgagtc ggggggagggc gtggtccagc ctgggaggtc cctgagactc 60
gcctgtgcag cgtctggatt cagcttcagg agctatggca tgcactgggt ccgccaggct 120
ccaggcaggg ggctggagtg ggtggcattt acatggtttg atggaagcaa taaatattat 180

gtagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240
 ctggaaatga acagcctgag agtcgatgac acggctgtat attactgtgc gagagaggcg 300
 tctatgcttc gcggaattag cagatactac tacgcgatgg acgtctgggg cccagggacc 360
 acggtcaccg tctcctca 378

<210> 87

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D13

<400> 87

gaggtgcagc tgctcgagtc tgggggagggc gtggtccagc ctgggaggtc cctgagactc 60
 tcctgtgcag cgtctggatt caccttcagt acttatggca tgcactgggt ccgccaggct 120
 ccaggcaagg ggctggagtg ggtggcagtt atatggtttg atggaagtaa cagagactat 180
 gcagagtccg tgaagggccg attcaccatc tccagagaca agtccaagaa cacactgtat 240
 ctgcaaatac acagcctgag agccgaggac tcggctgtgt attattgtgc gagagaaaat 300
 gtggctcgtg gggggggggg cgttcgatac aagtactact ttgactactg gggccaggga 360
 accctggtca ccgtctcctc a 381

<210> 88

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D14

<400> 88

gaggtgcagc tgctcgagtc ggggggagggc ttggtacagc ctgggggggtc cctgagactc 60
 tcctgtgcag cgtctggatt caccttcagt acttatggca tgcactgggt ccgccaggct 120
 ccaggcaagg ggctggagtg ggtggcagtt atatggtttg atggaagtaa gagagactat 180
 gcagagtccg tgaagggccg attcaccatc tccagagaca actccaagaa cacactgtat 240
 ctgcaaatac acagcctgag agccgaggac tcggctgtgt attactgtgc gagagaaaat 300
 gtggctcgtg gggggggggg cattcgatac aagtactact ttgactactg gggccaggga 360
 accctggtca ccgtctcctc a 381

<210> 89

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D15

<400> 89

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
 tcctgtgtag tgtctggatt caccttcaat aactatggca tgcactgggt ccgccaggct 120
 ccaggcaagg ggctggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180
 gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240
 ctgcaaataga acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300
 cagataaagc tatggtcccg atacctttac tactttgact actggggcca gggaaccctg 360
 gtcaccgtct cctca 375

<210> 90

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D16

<400> 90

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
 tcctgtgtag tgtctggttt caccttcaat aactatggca tgcactgggt ccgccaggct 120
 ccaggcaagg ggctggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180
 gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240
 ctgcaaataga acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300
 cagataaagc tatggtcccg atacctttac tactttgact actggggcca gggaaccctg 360
 gtcaccgtct cctca 375

<210> 91

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D17

<400> 91

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
 tcctgtgtag tgtctggttt caccttcaat aactatggca tgcactgggt ccgccaggct 120
 ccaggcaagg ggctggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180
 gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240
 ctgcaaataga acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300
 cagataaagc tatggtcccg atacctttac tactttgact actggggcca gggaaccctg 360
 gtcaccgtct cctcc 375

<210> 92

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D18

<400> 92

gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgtag tgtctgggtt caccttcaat aactatggca tgcactgggt ccgccaggct 120
tcaggcaagg ggttggagtg ggtggcagtt atttggtttg atggaagtaa taaatactat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactgtac 240
ctgcaaatac acagcctgag agccgaggac acggctgtat attactgtgc gagagagaac 300
cagataaagc tatgggtccc atacctttac tactttgact actggggcca gggaaccctg 360
gtcaccgtgt cctca 375

<210> 93

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D20

<400> 93

gaggtgcagc tgctcgagtc ggggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cgtctggatt caccttcagt acctatggca tgcactgggt ccgccaggct 120
ccaggcaagg gactggagtg ggtggcagtt atatggtttg atggaagtaa taaggaatat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240
ctacaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaagaa 300
gtggttcggg gagttatctt atgggtctcg aagtttgact actggggcca gggaaccctg 360
gtcaccgtct cctca 375

<210> 94

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D30

<400> 94

gaggtgcagc tgctcgagtc ggggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cgtctggatt caccttcagt agctatggca tgcgctgggt ccggcaggct 120
ccaggcaagg ggctggagtg ggtggcagtt gtctactatg atggaagtaa caaacactat 180
tcagactccg tgaagggccg attcaccatc tccagagaca actccaagaa cacgctgtat 240
ctacaaatgg acagcctgag agccgaggac acggctgtgt attactgtgc gagagaaaga 300
aattttcgga gtggttattc ccgctactac tacgggtatg acgtctgggg ccaggggacc 360
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<210> 95

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain D31

<400> 95

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tcagactccg tgaagggccg attcaccatc tccagagaca actccaagaa cacgctgtat 240
ctacaaatgg acagcctgag agccgaggac acggctgtgt attactgtgc gagagaaaga 300
aattttcggg gtggttattc ccgctactac tacggtatgg acgtctgggg cccagggacc 360
acggtcaccg tctcctca 378
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<210> 96

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain E01

<400> 96

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ccagggaagg ggctggagtg ggtctcatcc attagtaata gtaataactta catatactac 180
gcagacgcag tgaagggccg attcaccatc tccagagaca acgccaagaa ctactgtat 240
ctgcaaataa acagcctgag agccgaggac acggctgtgt actactgtgc gagagattct 300
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<210> 97

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) chain E03

<400> 97

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gtccgccagg gtccagggaa ggggctggag tgggtctcat ccattagtaa tagtaatact 180
tacatatact acgcagacgc agtgaagggc cgattcacca tctccagaga caacgccaaag 240
aactcactgt atctgcaaatt gaacagcctg agagccgagc acacggctgt gtactactgt 300
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tggggccaag ggaccacggt catcgtctcc tca 393
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 <211> 321
 <212> DNA
 <213> Homo sapiens

<220>
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 aaagccccta agcgctgat ctatgctaca tccagtttgc aaagtggggg cccatcaagg 180
 ttcagcggca gtggatctgg gacagaattc actctcacia tcaacagcct gcagcctgaa 240
 gattctgcaa cttattactg tctacagcat aatagtttcc cgtggacggt cggccaaggg 300
 accaaggtgg aaatcaaacg a 321

<210> 99
 <211> 336
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain G01

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 ctgcagaagc cagggcagtc tccacagctc ctgatctata tgggttctaa tcgggcctcc 180
 ggggtccctg acaggttcag tggcagtggg tcaggcacag attttacact gaaaatcaac 240
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 actttcggcg gagggaccaa ggtggagatc aaacga 336

<210> 100
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>
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 aaagccccta agctccta atctatgctgca tccactttgc aaagtggggg cccatcaagg 180
 ttcagcggca gtggatctgg gacagaattc actctcacia tcgccagcct gcagcctgat 240
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 gggaccaaag tggatatcaa acga 324

<210> 101
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain I01

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 aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
 gattttgcaa cttactactg tcaacagagt tacagtaccc ctccgtacac ttttggccag 300
 gggaccaagc tggagatcaa acga 324

<210> 102
 <211> 321
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain I02

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 acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120
 aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
 gattttgcaa cttactactg tcaacagagt tacagtaccc tgtggacgtt cggccaaggg 300
 accaaggtgg aaatcaaacg a 321

<210> 103
 <211> 321
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain I03

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 aaagccccta agctcctgat ttatgctgca tccagtttgc aaagtggggg cccatcaagg 180
 ttcagtggca gtggatctgg gacagatttc actctcacca tcaccagtct gcaacctgaa 240
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 accaaagtgg atctcaaacg a 321

<210> 104
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain I04

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acttgccggg caagtcagaa cattaggagg tctttaaaatt ggtatcaaca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcagcagagt tccaataccc cgtggacgtt cggccaaggg 300
accaaggtgg aaatcaaacg a 321

<210> 105
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain I05

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acttgccggg caagtcagag cattaggagg tattttaaaatt ggtatcagca caaaccaggg 120
aaagccccta agctcctgat ctttgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcactggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc ctcaaacgtt cggccaaggg 300
accaaggtgg aaatcaaacg a 321

<210> 106
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain I06

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acttgccggg caagtcagag cattagcagc tattttaaaatt ggtatcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgccgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc cgatcacctt cggccaaggg 300
acacgactgg agattaaacg a 321

<210> 107
<211> 321
<212> DNA
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<220>
<223> anti-Rh(D) chain I07

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc ctcgaacttt cggcggaggg 300
accaaggtgg agatcaaacg a 321

<210> 108
<211> 321
<212> DNA
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<220>
<223> anti-Rh(D) chain I08

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acttgccggg caagtcagac cattagcagg tctttaaatt ggtatcagca taaaccaggg 120
gaagccccta agctcctgat ctatgctgca tccagtctgc agcgtggggg cccaccaggg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gactttgcga cttacttctg tcaacagagt gtcagaatcc cgtacagttt tggccagggg 300
accaagctgg agatcaaacg a 321

<210> 109
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<212> DNA
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<220>
<223> anti-Rh(D) chain I09

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttattactg tcaacagctt aatagttacc cgtacacttt tggccagggg 300
accaagctgg agatcaaacg a 321

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 <212> DNA
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<220>
 <223> anti-Rh(D) chain I10

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 acttgccggg caagtcagaa cattagcagc tattttaaatt ggtatcagca gaaaccaggg 120
 aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cctatcaagg 180
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
 gattttgcaa cttactactg tcaacagagt tacagtaccc ctccgtatag ttttggccag 300
 gggaccaagc tggagatcaa acga 324

<210> 111
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain I11

<400> 111
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 acttgccggg caagtcagag cattagcagc tattttaaatt ggtatcagca gaaaccaggg 120
 aaagccccta cgctcctgat caatgctgca tccagtttgc aaagtggggg cccatcaagg 180
 ttcagtggca gtggatctgg gacagatttc actctcacca ttagcagtct gcaacctgaa 240
 gatttcgcaa tttactactg tcaacagaga gaaacttttg gccaggggac caagctggag 300
 atcaaacga 309

<210> 112
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain I12

<400> 112
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 acttgccggg caagtcagag cattagcagc tattttaaatt ggtatcagca gaaaccaggg 120
 aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
 ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
 gattttgcaa cttactactg tcaacagagt tacagtaccc ctccgtacac ttttggccag 300
 gggaccaagc tggagatcaa acga 324

<210> 113
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain I13

<400> 113
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acttgccggg caagtcagag cattagcagg tattttaaatt ggtatcagca gaaaccaggg 120
aaagccccta agtcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacggtagcc ctcacagttt tggccggggg 300
accaagctgg agatcaaacg a 321

<210> 114
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain I15

<400> 114
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acttgccggg caaatcagaa cattcgtaga tctttaaatt ggtatcagca gaaaccaggg 120
aaagccccta acctcctgat ctatgctgca tccacattgc aagggtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctacca tcagcagtct gcaacttgcg 240
gattttgcaa cttactactg tcaacagact tccgctaccc cgtggacgtt cggccaaggg 300
accaaggtgg aatcaaacg a 321

<210> 115
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain I16

<400> 115
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acttgccggg caagtcagac tattggtttt aattttaaatt ggtatcagca aacatctggg 120
aagcccccta aactccta atctggtgtt tccaagttgc aaaatggggg cccttcacgg 180
ttcagtggca gtgggtccgg gacggaattc accctcacia tcagcagtct gcagcctgag 240
gattttgcga cttattattg tcaacagact aacgatgcgt tgtggacgtt cggccaaggg 300
accaaagtgg aagtcagacg a 321

<210> 116
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain J01

<400> 116
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 caaggagacg gcctcagaag ttattatgca agctggtacc agcagaagcc gggacaggcc 120
 ccgaaacttg tcatgtacgg tagaaacaac cggccctcag ggatcccagg ccgattctct 180
 ggctccagct cagggcagac agctgccttg accatcacgg ggactcaggc ggaggatgag 240
 gctgactatt actgtcagtc ccgtgccacc agcggtaacc ctgtggtgtt cggcggaggg 300
 actaagctga ccgtcctg 318

<210> 117
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain J02

<400> 117
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 caaggagacg gcctcagaag ttattatgca agctggtacc agcagaagcc gggacaggcc 120
 ccgaaacttg tcatgtacgg tagaaacaac cggccctcag ggatcccaga ccgattctct 180
 ggctccagct cagggcagac agctgccttg accatcacgg ggactcaggc ggaggatgag 240
 gctgactatt actgtcagtc ccgtgccacc agcggtaacc ctgtggtgtt cggcggaggg 300
 actaagctga ccgtcctg 318

<210> 118
 <211> 312
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain J04

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 caaggagaca gcctcagaag ctattatgca agctggtacc agcagaagcc aggacaggcc 120
 cctgtacttg tcatctatgg taaaaacagc cggccctcag ggatcccaga ccgattctct 180
 ggctccagct caggaaacac agcttcgttg accatcactg gggctcaggc ggaagatgag 240
 gcggactatt attgtagttc gcggggcagc cccacgtgg cattcggcgg agggaccaaa 300
 ctgaccgtcc tg 312

<210> 119
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain J05

<400> 119
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caggagagaca gcctcagaaa gtattatgca agctgggtacc agcagaagcc aggacaggcc 120
cctgtgcttg tcttctatgc tagaaatagc cggccctcag ggatcccaga ccgattctct 180
ggctccaact caggaaccac agcttccttg accatcgctg gggctcgggc ggaagatgag 240
gctgactatt actgtcactc ccgggacagc aatggtcacc atcgggtgtt cggcggaggg 300
accaagctga ccgtccta 318

<210> 120
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain K01

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cctggacaag caccaggcc actgatttat agtgcaagca acaaactc ctggaccct 180
gcccggttct caggctccct ccttgggggc aaagctgccc tgacactgtc aggtgtgcag 240
cctgaggacg aggtgagta ttactgcctg ctctactata gtggtgcttg ggtgttcggc 300
ggagggacca agttgaccgt cctt 324

<210> 121
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain K02

<400> 121
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cctggacaag caccaggcc actgatttat agtgcaagca acaaactc ctggaccct 180
gcccggttct caggctccct ccttgggggc aaagctgccc tgacactgtc aggtgtgcag 240
cctgaggacg aggtgagta ttactgcctg ctctactata gtggtgcttg ggtgttcggc 300
ggagggacca agctgaccgt ccta 324

<210> 122
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain K03

<400> 122
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 cctggccagg caccagggc actgatttat ggttcaaaca acaaacactc ctggaccct 180
 gcccggttct caggctccct ccttgggggc aaagctgcc tgacactgtc aggtgtgcag 240
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 ggatggacca agctgaccgt ccta 324

<210> 123
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain L01

<400> 123
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 ggaacggccc ccaaactcct catctatagt aataatcagc ggccctcagg ggtccctgac 180
 cgattctctg gctccaagtc tggcacctca gccaccctgg tcatcaccgg gctccagact 240
 ggggacgagg ccgattatta ctgcggaaca tgggatcaca gccggagtgg tgcggtgttc 300
 ggcggagggga ccaaactgac cgtctta 327

<210> 124
 <211> 327
 <212> DNA
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<220>
 <223> anti-Rh(D) chain L03

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 ggaatggccc ccaaactcct catctattct aatggtcagc ggccctcagg ggtccctgac 180
 cgattctctg gctccaagtc tggcacctca gcctccctgg ccatcagcgg cctccagtct 240
 gaggatgagg ctgattatta ttgtgcagca tggcatgaca gcctctatgg tccggtgttc 300
 ggcggagggga ccaagctgac cgtcctc 327

<210> 125
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain L04

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 ggaacagccc ccaaactcct catctctact aataatcagg ggccttcagg agtccctgac 180
 cgattctctg gtcccaagtc tggcacctca tcctccctgg ccatcagtgg gtcccggtca 240
 gaggctgagg atgattatta ctgtgcagca tgggatgaca ccctgaatgg tgtggtattc 300
 ggcggaggga ccaaactgac cgtccta 327

<210> 126
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<220>
 <223> anti-Rh(D) chain L05

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 ggaacggccc ccaaactcct catctttagt aataataagc ggccttcagg ggtccctgac 180
 cgattctctg gtcccaagtc tggcacctca gcctccctgg ccatcagtgg gtcctcagtct 240
 gaggatgagg ctgattatta ctgtgctaca tgggatgaca gcctgaatgg tcgggtgttc 300
 ggcggaggga ccaagctgac cgtccta 327

<210> 127
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<220>
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 gccgagctca ctcagccacc ctcagcgtct gggacccccg ggcagcgggt caccatctct 60
 tggtctggga gcaacttcaa catcggaagt aattatgtat tctggtacca gcatgttcca 120
 ggaacggccc caaaactcct catctataat aataatcaac gcccctctgg ggtccctgac 180
 cgactctctg gtcccaagtc tggcgacctca gcctccctgg ccatcaatgg gtcccggtcc 240
 gatgatgagg ctgattatta ctgtacagga tgggatgacc gcctgagtgg cctgattttc 300
 ggcggagggc caaaagtgac cgtccta 327

<210> 128
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain M02

<400> 128
 gccgagctca cgcagccgcc ctcagcgtct gggacccccg ggcagagggg caccatctct 60
 tgttctggaa gcagctccaa catcggaagt aattatgtat attggtacca gcagctccca 120
 ggaacggccc ccaaactcct catctatagg aataatcagc ggccctcagg ggtccctgac 180
 cgattctctg gtcceaagtc tggcacctca gcctccctgg ccatcagtgg gctccgggtcc 240
 gaggatgagg ctgattatta ctgtgcagca tgggatgaca gcctgagtgg ttgggtgttc 300
 ggcggagggg ccaagctgac cgtccta 327

<210> 129
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain M03

<400> 129
 gccgagctca ctcagccacc ctcagcgtct gggacccccg ggcagagggg caccatctct 60
 tgttctggaa gcagctccaa catcggaagt aattatgtat actggtacca gcagctccca 120
 ggaacggccc ccaaactcct catctatagg aataatcagc ggccctcagg ggtccctgac 180
 cgattctctg gtcceaagtc tggcacctca gcctccctgg ccatcagtgg gctccgggtcc 240
 gaggctgagg ctgattatta ctgtgaggca tgggatgaca gcctgagtgc cgtgggtattc 300
 ggcggagggg ccaaactgac cgtccta 327

<210> 130
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain N01

<400> 130
 gccgagctca cgcagccgcc ctcagtgtct gcggccccag gacagaaggt caccatctcc 60
 tgctctggaa gcagctccaa cattgacagt aactatgtat cctggtacca gcagctccca 120
 ggaacagccc ccaaactcct catttttgac aattataggc gaccctcagg gattcctgac 180
 cgattctcag gtcceaagtc tggcacgtca gccaccctgg gcatcaccgg actccagact 240
 ggggacgagg ccgattatta ctgtgcaaca tgggatgaca gcctgaatgg tcgggtgttc 300
 ggcggagggg ccaagctgac cgtccta 327

<210> 131
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain N02

<400> 131
gccgagctca cgcagccgcc ctcaagtgtct ggggccccag gacagaaggt caccatctcc 60
tgctctggaa gcagctccaa cattgggaat aattatgtgt cctggtacca gcaactccca 120
ggaacagccc ccaaactcct catttatgac aataataagc gaccctcagg gattcctgac 180
cgattctctg gtcccaagtc tggcacgtca gccaccctgg gcatcacagg actccagact 240
ggggacgagg ccgattatta ctgcggaaca tgggatagca gcctgagtgc tggccgcgtt 300
cggcggatgt tcggcggagg gaccaagttg accgtcctgg gt 342

<210> 132
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain 001

<400> 132
gccgagctca cgcagccgcc ctcaagtgtct ggggccccag ggcagagggt caccatctcc 60
tgcaactgga gcagctccaa catcggggca ccttatggtg tacactggta ccagcagttt 120
ccaggaacag cccccaaact cgtcatctac aatgacaaca atcggccctc aggggtccct 180
gaccgattct ctggctccaa gtctggcacc tcagcctccc tggccatcac tgggctccag 240
gctgaggatg aggctgatta ttactgccag tcctatgaca gcagcctgag tggaagggtg 300
ttcggcggag ggaccaagct gaccgtccta 330

<210> 133
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain 002

<400> 133
gccgagctca cgcagccgcc ctcaagtgtct ggggccccag ggcagacggt caccatctcc 60
tgcaactgga gcagctccag catcggggca cgttatgatg tacactggta ccaacacctt 120
ccaggaacag cccccaaact cctcatctat ggtaaccaca atcggccctc aggggtccct 180
gaccgattct ctggctccaa gtctggcacc tcagcctccc tggccatcac tgggctccag 240
gctgaggatg aggctgaata ttattgccag tcctatgaca acagcctgag tggttcgtct 300
gtctttttcg gcggagggac caagctgacc gtccta 336

<210> 134
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain O03

<400> 134
gccgagctca cgcagccgcc ctctggggcc ccaggccaga cggtcacat ctctgcact 60
gggagcagct ccaacatcgg ggcagggttat gatgtacact ggtaccagca gcttcagga 120
acagcccca aactcctcat ctatggtaac agcaatcggc cctcaggggt ccctgaccga 180
ttctctggct ccaagtctgg cacctcagcc tccctggcca tctactgggt ccaggctgag 240
gatgaggctg attattactg ccagtcctat gacagcagcc tgagtgggtcc ctatgtggta 300
ttcggcggag ggaccaagct gaccgtccta 330

<210> 135
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain P01

<400> 135
gccgagctca ctccagccacc ctccggtgtca gtggcccca gacagacggc caggattacc 60
tgtggggggg acaaaatcgg aagtaacact gtgcattggt accggcagat gtcaggccag 120
gcccctgttc tggatcatcta tgaagacaaa aaacgacccc ccgggatccc tgagagattc 180
tctggttcca cctcagggac aacggccacc ttgagtatca gtggggccca ggttgaggat 240
gaagctgact actactgtta ttcaagagac aacagtgggt atcagagaag ggtgttcggc 300
gcagggacca agctgaccgt ccta 324

<210> 136
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<223> anti-Rh(D) chain Q01

<400> 136
gccgagctca ctccagccacc ctccgccact gcctccctgg gaggtcgggt caaactcacc 60
tgcattctgc agagtggcca cagaaattac gccgtcgctt ggcacacca agaagcaggg 120
aagggcccg c gatttttgat gacggttacc aatgatggca ggcacatcaa gggggacggg 180
atccctgatc gcttctcagg ctccgcctct ggggctgaac gctacctctc catctccggc 240
ctccagtctg aggatgaggg tgactactac tgtcagacct ggggcactgg catgcatgtg 300
ttcggcggag ggaccaaact gaccgtccta 330

<210> 137
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain R01

<400> 137
 gccgagctca ctcagcctcc ctccgcgtcc gggctctcctg gacagtcagt caccatctcc 60
 tgcactggag ccagcagtga cgttggtgct tataagcacg tctcctggta ccaacaacac 120
 ccaggcaaag cccccaaact cctgactcat gagggcacta agcggccctc aggggtccct 180
 gatcgcttct ctggctccaa gtctggcaac acggcctccc tgaccgtctc tgggctccag 240
 gctgaggatg aggctgatta ttactgcagc tcatttgtag gtaattccgt gatattcggc 300
 ggagggacca agctgaccgt ccta 324

<210> 138
 <211> 312
 <212> DNA
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) chain S01

<400> 138
 gccgagctca ctcagcctcc ctccgtgtct gggctctcctg gacagtcgat caccatctcc 60
 tgcagtgatg ttgggaatta taacctgtgc tcctgggtacc aacagtaccc aggcaaggcc 120
 cccaaactca taatttatga gggcagtaag cgccctcag gggtttctag tcgcttctct 180
 ggctccaggt ctggcaacac ggcctccctg acaatctctg ggctccaggc tgaggacgag 240
 gctgattatc actgctgctc atatgcaatt agtagcagga ttttcggcgg agggaccaag 300
 ctgaccgtcc ta 312

<210> 139
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH10

<400> 139
 Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Val Gln Pro Gly
 1 5 10 15
 Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Arg
 20 25 30
 Asn Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp

35

40

45

Val Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
65 70 75 80

Tyr Leu Gln Met Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Glu Glu Ala Leu Phe Arg Gly Leu Thr Arg Trp Ser Tyr
100 105 110

Gly Met Asp Val Trp Gly Gln Gly Thr Thr Val Ser Val Ser Ser
115 120 125

<210> 140

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH16

<400> 140

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val
35 40 45

Ala Leu Ile Trp Tyr Asp Gly Gly Asn Lys Glu Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Ser Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Val Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gln Arg Ala Ala Ala Gly Ile Phe Tyr Tyr Ser Arg Met
100 105 110

Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
 115 120 125

<210> 141
 <211> 117
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH17

<400> 141
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Gly Ala Ser Gly Ile Pro Phe Val Ser Ser
 20 25 30
 Trp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Asn Ile Lys Gln Asp Gly Ser Lys Lys Asn Tyr Val Asp Ser Val
 50 55 60
 Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80
 Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Arg Ile Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Ser Leu Thr Cys Phe Asp Tyr Trp Gly Gln Gly Ala Leu
 100 105 110
 Val Thr Val Ser Ser
 115

<210> 142
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH18

<400> 142
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg

1	5	10	15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Ser Tyr	20	25	30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val	35	40	45
Ala Ala Thr Ala Tyr Asp Gly Lys Asn Lys Tyr Tyr Ala Asp Ser Val	50	55	60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Met Asn Thr Leu Phe	65	70	75
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Phe Tyr Cys	85	90	95
Ala Arg Gly Gly Phe Tyr Tyr Asp Ser Ser Gly Tyr Tyr Gly Leu Arg	100	105	110
His Tyr Phe Asp Ser Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser	115	120	125

<210> 143

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH20

<400> 143

Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Val Gln Pro Gly	1	5	10	15
Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Ser	20	25	30	
Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp	35	40	45	
Val Ala Val Ile Ser Tyr Asp Gly Ser Thr Ile Tyr Tyr Ala Asp Ser	50	55	60	

Val Lys Gly Arg Phe Thr Ile Ser Arg Ala Asn Ser Lys Asn Thr Leu
65 70 75 80

Phe Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Thr Arg Gly Gly Phe Tyr Tyr Asp Ser Ser Gly Tyr Tyr Gly Leu
100 105 110

Arg His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser
115 120 125

Ser

<210> 144

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH24

<400> 144

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Ala Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Ser Leu Arg Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Asp Ile Trp Phe Asp Gly Ser Asn Lys Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Trp Arg Val Arg Ala Phe Ser Ser Gly Trp Leu Ser Ala
100 105 110

Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120 125

<210> 145
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH25

<400> 145
 Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Val Val Gln Pro Gly
 1 5 10 15
 Arg Ser Leu Arg Leu Ala Cys Ala Ala Ser Gly Phe Ser Phe Arg Ser
 20 25 30
 Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp
 35 40 45
 Val Ala Phe Thr Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Val Asp Ser
 50 55 60
 Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
 65 70 75 80
 Tyr Leu Glu Met Asn Ser Leu Arg Val Asp Asp Thr Ala Val Tyr Tyr
 85 90 95
 Cys Ala Arg Glu Ala Pro Met Leu Arg Gly Ile Ser Arg Tyr Tyr Tyr
 100 105 110
 Ala Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser
 115 120 125

<210> 146
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH28, SH50, and SH53

<400> 146
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Gly Val Gln Pro Gly Arg
 1 5 10 15

Ala Arg Glu Leu Ser Lys Lys Val Ala Leu Ser Arg Tyr Tyr Tyr Tyr
 100 105 110

Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
 115 120 125

<210> 148

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH37

<400> 148

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Lys Phe Thr Leu Tyr Asn Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Glu Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Leu Ser Lys Lys Val Ala Leu Ser Arg Tyr Tyr Tyr Tyr
 100 105 110

Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
 115 120 125

<210> 149

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH39

<400> 149

Glu Val Gln Leu Leu Glu Gln Ser Gly Gly Gly Val Val Gln Pro Gly
1 5 10 15

Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser
20 25 30

Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
35 40 45

Val Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Glu Tyr Ala Asp Ser
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
65 70 75 80

Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Glu Glu Val Val Arg Gly Val Ile Leu Trp Ser Arg Lys
100 105 110

Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 150

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH44

<400> 150

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Ala Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Ser Leu Arg Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Asp Ile Trp Phe Asp Gly Ser Asn Lys Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Trp Arg Val Arg Ala Phe Ser Ser Gly Trp Leu Ser Ala
100 105 110

Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120 125

<210> 151

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH47

<400> 151

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Asn Tyr
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Thr Ser Phe Asp Gly Ser Ile Lys Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Asp Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Arg Gly Met Ile Val Val Val Arg Arg Arg Asn Ala Phe
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120 125

<210> 152
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH54

<400> 152
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Arg Asn
 20 25 30
 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Phe Ile Trp Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Glu Glu Ala Leu Phe Arg Gly Leu Thr Arg Trp Ser Tyr Gly
 100 105 110
 Met Asp Val Trp Gly Gln Gly Thr Thr Val Ser Val Ser Ser
 115 120 125

<210> 153
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH56

<400> 153
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Val Tyr Tyr Asp Gly Ser Asn Lys His Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Phe Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Arg Asn Phe Arg Ser Gly Tyr Ser Arg Tyr Tyr Tyr Gly
100 105 110

Met Asp Val Trp Gly Pro Gly Thr Thr Val Thr Val Ser Ser
115 120 125

<210> 154

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH8

<400> 154

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ala Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Asn Gln Thr Ile Arg Thr Ser Leu
20 25 30

Asn Trp Tyr Gln Gln Arg Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr
35 40 45

Gly Ala Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly Gly
50 55 60

Ile Ser Gly Ala Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Tyr Gly Tyr Ser Arg Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Asp Ile Lys Arg

<210> 155
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH12

<400> 155
 Ala Glu Leu Thr Gln Ser Pro Phe Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15
 Arg Val Thr Ile Thr Cys Arg Ala Ser His Asn Ile Tyr Arg Ser Leu
 20 25 30
 Asn Trp Phe Gln His Lys Pro Gly Glu Ala Pro Lys Leu Leu Val Tyr
 35 40 45
 Ala Ala Ser Ser Leu Gln Arg Gly Val Pro Thr Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80
 Asp Ser Ala Thr Tyr Phe Cys Gln Gln Ser Val Thr Phe Pro Tyr Thr
 85 90 95
 Phe Gly Gln Gly Thr Lys Leu Glu Ile Arg Arg
 100 105

<210> 156
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH13

<400> 156
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Ser Leu Arg Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Tyr Thr
 85 90 95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
 100 105

<210> 157

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH14

<400> 157

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asn Ile Arg Arg Ser Leu
 20 25 30

Asn Trp Tyr Gln His Lys Pro Gly Arg Ala Pro Arg Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Arg Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser Leu Gln Pro Ala
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ser Asn Thr Pro Trp Thr
 85 90 95

Phe Gly His Gly Thr Lys Val Glu Ile Lys Arg
 100 105

<210> 158
<211> 107
<212> PRT
<213> Homo sapiens

<220>
<223> anti-Rh(D) antibody clone SH16

<400> 158
Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15
Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45
Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80
Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Thr
85 90 95
Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 159
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<223> anti-Rh(D) antibody clone SH18

<400> 159
Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15
Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ile Ala Leu
20 25 30
Asn Trp Tyr Gln Gln Arg Pro Gly Lys Ala Pro Lys Leu Leu Met Tyr
35 40 45

Ala Thr Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Tyr Asn Lys Pro Thr Phe
85 90 95

Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
100 105

<210> 160

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH20

<400> 160

Ala Glu Leu Thr Gln Ser Pro Phe Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Arg Ser Leu
20 25 30

Asn Trp Tyr Gln His Lys Pro Gly Glu Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Arg Gly Val Pro Pro Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Phe Cys Gln Gln Ser Val Arg Ile Pro Tyr Ser
85 90 95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 161

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH21

<400> 161

Ala Glu Leu Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Ser Tyr Leu
20 25 30

Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ala Ser Leu Gln Pro Asp
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Leu Asn Asn Tyr Pro Pro Phe
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
100 105

<210> 162

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH24

<400> 162

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Thr Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Arg Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Thr Leu Gln Arg Gly Val Pro Ser Arg Phe Thr Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Thr Thr Leu Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Met Glu Ile Arg Arg
100 105

<210> 163

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH26

<400> 163

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Phe Arg Arg Tyr
85 90 95

Ser Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 164

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH28

<400> 164

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Asp Gln Asn Ile Arg Arg Ser Leu
20 25 30

Asn Trp Phe Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ser Ser Thr Pro Trp Thr
85 90 95

Phe Gly Arg Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 165

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH30

<400> 165

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Arg Arg Ser Leu
20 25 30

Asn Trp Tyr Gln Gln Ser Pro Gly Lys Thr Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Leu Thr Phe
85 90 95

Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 166

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH32

<400> 166

Ala Glu Leu Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
1 5 10 15

Val Thr Leu Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Arg Tyr
20 25 30

Phe Pro Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Arg Ala Leu
35 40 45

Ile Tyr Gly Ser Asn Asn Lys His Ser Trp Thr Pro Ala Arg Phe Ser
50 55 60

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
65 70 75 80

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Leu Leu Phe Tyr Ala Gly Ala
85 90 95

Trp Ala Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 167

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH34

<400> 167

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Gly Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Tyr
 85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
 100 105

<210> 168

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH36

<400> 168

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ser Pro Lys Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Ala
 85 90 95

Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
100 105

<210> 169

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH39

<400> 169

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Gly Arg Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Arg Pro Gly Lys Ala Pro Lys Leu Leu Val Tyr
35 40 45

Ala Val Ser Ser Leu Gln Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr His Phe Thr Leu Thr Ile Thr Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Phe Cys Gln Gln Ser Tyr Ser Ser Pro Phe Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 170

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH41

<400> 170

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asn Ile Arg Arg Ser Leu
 20 25 30

Asn Trp Tyr Gln His Lys Pro Gly Arg Ala Pro Arg Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Arg Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser Leu Gln Pro Ala
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Ser Asn Thr Pro Trp Thr
 85 90 95

Phe Gly His Gly Thr Lys Val Glu Ile Lys Arg
 100 105

<210> 171

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH44

<400> 171

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Ile Ile Thr Cys Arg Ala Ser Gln Thr Ile Pro Arg Phe Leu
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Val Leu Leu Ile His
 35 40 45

Ser Ile Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Ala Ser
 50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Asn Leu Ser Phe
 85 90 95

Gly Pro Gly Thr Thr Val Asp Ile Arg Arg
 100 105

<210> 172
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH46

<400> 172
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Tyr Ile Ser Ser Tyr Leu
 20 25 30
 Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr
 35 40 45
 Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60
 Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80
 Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Tyr Ser Ser Pro Ser Thr
 85 90 95
 Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
 100 105

<210> 173
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <223> anti-Rh(D) antibody clone SH47

<400> 173
 Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15
 Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Tyr Leu
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Tyr Pro Arg Thr
 85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Arg Arg
 100 105

<210> 174

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH48

<400> 174

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
 1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Tyr Ile Ser Ser Tyr Leu
 20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Asn Leu Leu Ile Tyr
 35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Tyr Ser Ser Pro Ser Thr
 85 90 95

Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
 100 105

<210> 175

<211> 107
<212> PRT
<213> Homo sapiens

<220>
<223> anti-Rh(D) antibody clone SH49

<400> 175
Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15
Arg Val Thr Val Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45
Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80
Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr
85 90 95
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 176
<211> 107
<212> PRT
<213> Homo sapiens

<220>
<223> anti-Rh(D) antibody clone SH50

<400> 176
Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15
Arg Val Thr Val Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu
20 25 30
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 177

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH51

<400> 177

Ala Glu Leu Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Ser Tyr Leu
20 25 30

Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Leu Asn Asn Tyr Pro Pro Phe
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
100 105

<210> 178

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH52

<400> 178

Ala Glu Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly Glu
1 5 10 15

Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu Pro
65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 179

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH54

<400> 179

Ala Glu Leu Thr Gln Ser Pro Ser Ser Met Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Thr Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 180

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH55

<400> 180

Ala Glu Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
1 5 10 15

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Lys Tyr
20 25 30

Val Tyr Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ser Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Ala
50 55 60

Phe Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala
65 70 75 80

Glu Asp Glu Ala Asn Tyr Tyr Cys Gln Ser Tyr Asp Ser Gly Leu Ser
85 90 95

Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 181

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH56

<400> 181

Ala Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Arg Tyr Leu
20 25 30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Ala Leu Thr Ile Ser Ser Leu Leu Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Pro Pro Tyr
85 90 95

Ser Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 182

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH10

<400> 182

gagggtgcagc tgctcgagga gtctggggga ggcgtggtcc agcctgggag gtccctgaga 60
ctctctctgtg cagcgtcttg gttcaccttc agtaggaatg gcatgcactg ggtccgccag 120
gctcctggca aggggctgga gtgggtggca tttatatggt ttgatggaag taataaatac 180
tatgcagact ccgtgaaggg ccgattcacc atctccagag acaattccaa gaacacgctg 240
tatctgcaaa tgaacagcct gagagccgac gacacggctg tgtattactg tgcgagagag 300
gaggctctgt ttcggggact tactcgggtg tcctacggca tggacgtctg gggccaaggg 360
accacgggtca gcgtctcctc a 381

<210> 183

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH16

<400> 183

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gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cgtctgggtt caccttcagt agctatggca tgcactgggt ccgccaggct 120
ccaggcaggg ggctggagtg ggtggctctt atatggtacg atggaggtaa caaagagtat 180
gcagactccg tgaagggccg cttcagcatc tccagagaca actccaagaa cactctgtat 240
ctgcaagtga acagcctgag agccgacgac acggctgtct attactgtgc gagagaccag 300
agagcagcag cgggtatctt ttattattcc cgtatggacg tctggggcca agggaccacg 360
gtcaccgtct cctca 375
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<210> 184

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH17

<220>

<223> anti-Rh(D) antibody clone SH17

<400> 184

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gaggtgcagc tgctcgagtc tgggggaggc ttggtccagc cggggggggtc cctgagactc 60
tcctgtggtg cctctggaat cccctttgtt tcctcttgga tggcctgggt ccgccaggcc 120
ccagggaagg ggctggagtg ggtggccaac ataaaacaag atggaagtaa gaaaaactat 180
gtggactctg tggagggccg attcaccatc tccagagaca acgcaagaa ctactttat 240
ctgcaaattg acagcctgag agccgaggac acgcgatat attactgtgc gcgagattca 300
cttacttgtt ttgactactg gggccaggga gccctggtca cctctcctc a 351
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<210> 185

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH18

<400> 185

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gaggtgcagc tgctcgagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cctctggatt caccttcagg agctatgcta tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtggcagct acagcatatg atggaaaaaa taaatactac 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccatgaa cacgctgttt 240
ctgcaaattg acagcctgag agctgaggac acggctgtgt tttactgtgc gagaggcgga 300
ttttactatg atagtagtgg ttattacggc ttgaggcact actttgactc ctggggccag 360
ggaaccctgg tcaccgtctc ctca 384
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<210> 186

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH20

<400> 186

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gaggtgcagc tgctcgagga gtctggggga ggcgtggtcc agcctgggag gtccctgaga 60
ctctcctgtg cagcctctgg attcaccttc agaagttatg ctatgcactg ggtccgccag 120
gctccaggca aggggctgga gtgggtggcg gttatatcat atgatggaag tactatatac 180
tacgcagact ccgtgaaggg ccgattcacc atctccagag ccaattccaa gaacacgctg 240
tttctgcaaa tgaacagcct cagaactgag gacacggctg tatattactg tacgagaggg 300
gggttttact atgacagtag tggttattac gggttgaggc actactttga ctactggggc 360
caggaacccc tggtcaccgt ctcttca 387
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<210> 187

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH24

<400> 187

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gaggtgcagc tgctcgagtc ggggggaggc gtggcccagc ctgggaggtc cctgagactc 60
tcctgtgtag cgtctggatt cagcctcagg agctatggca tgcactgggt ccgccaggct 120
cctggcaagg ggctggagtg ggtggcagat atatggtttg atggaagtaa taaagattat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgttgtat 240
cttcaaataa acagcctgag agccgaggac acggctgtgt attattgtgc gagagattgg 300
agggtgcggg ccttttagtag tggctggtta agtgcttttg atatctgggg ccaagggaca 360
atggtcaccg tctcttca 378
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<210> 188

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH25

<400> 188

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gaggtgcagc tgctcgagga gtctggggga ggcgtggtcc agcctgggag gtccctgaga 60
ctcgcctgtg cagcgtcttg attcagcttc aggagctatg gcatgcactg ggtccgccag 120
gctccaggca ggggctgga gtgggtggca ttacatggt ttgatggaag caataaatat 180
tatgtagact ccgtgaaggg ccgattcacc atctccagag acaattccaa gaacacgctg 240
tatctggaaa tgaacagcct gagagtcgat gacacggctg tatattactg tgcgagagag 300
gcgcctatgc ttcgcggaat tagcagatac tactacgcga tggacgtctg gggcccaggg 360
accacgggtc cgtctctc a 381
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<210> 189
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH28, SH50, and SH53

<400> 189

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gaggtgcagc tgctcgagtc tgggggagggc ggggtccagc ctgggaggtc cctgcgactc 60
tctgtgctgg cgtctggatt caccttcaat agttatgcc aagtactgggt ccgccagcct 120
ccaggcaagg ggctggagtg ggtggcagct atatggtatg atggaagtaa taaagaatat 180
gcagattttg tgaagggccg cttcaccatc tccagagaca attccaagaa cacgctgtct 240
ctgcaaatga acagcctgag agacgaggac acggctgtgt attactgtgc gagagaggcg 300
aatctcctcc gtggctggtc tcgatactac tacggtatgg acgtctgggg ccaagggacc 360
acggtcaccg tctcctca                                     378
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<210> 190

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH32

<400> 190

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gaggtgcagc tgctcgagtc ggggggagggc gtgggtccagc ctgggaggtc cctgagactc 60
tctgtgaag cgtctaaatt caccctctac aattatggca tgcactgggt ccgccaggct 120
ccaggcaagg ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180
gaagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240
ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaacta 300
tctaagaagg tggcactttc taggtattac tactatatgg acgtctgggg ccagggggacc 360
acggtcactg tctcgtca                                     378
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<210> 191

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH37

<400> 191

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gaggtgcagc tgctcgagga gtctggggga ggcgtgggtcc agcctgggag gtccctgaga 60
ctctcctgtg cagtgtctgg attcacccta actaattatg gcatgactg ggtccgccag 120
gctccaggca aggggctgga gtgggtggca catgtctggt atgatggaag taaaacagaa 180
tacgcagact ccgtcaaggg ccgattcgcc gtctccagag acaaatccaa gaacacactg 240
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tttctgcaaa tgaacagcct gacagccgag gacacggcta tttattactg tgcgagagag 300
 aggagagaga aagtctatat attgttctac tcgtggctcg accgctgggg ccaggggaacc 360
 ctggtcaccg tctcctca 378

<210> 192

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH39

<400> 192

gaggtgcagc tgctcgagca gtctggggga ggcgtgggtcc agcctgggag gtccctgaga 60
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 gctccaggca agggactgga gtgggtggca gttatatggt ttgatggaag taataaggaa 180
 tatgcagact ccgtgaaggg ccgattcacc atctccagag acaattccaa gaacacgctg 240
 tatctacaaa tgaacagcct gagagccgag gacacggctg tgtattactg tgcgagagaa 300
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<210> 193

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH44

<400> 193

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 gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgttgtat 240
 cttcaaata acagcctgag agccgaggat acggctgtgt attattgtgc gagagattgg 300
 aggggtgcggg ccttttagtag tggctgggta agtgcttttg atatctgggg ccaagggaca 360
 atggtcaccg tctcttca 378

<210> 194

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH47

<400> 194

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gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacactatat 240
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<210> 195

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH54

<400> 195

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cctggcaagg ggctggagtg ggtggcattt atatggtttg atggaagtaa taaatactat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240
ctgcaaatac acagcctgag agccgacgac acggctgtgt attactgtgc gagagaggag 300
gctctgtttc ggggacttac tcggtgggtc tacggtatgg acgtctgggg ccaagggacc 360
acggtcagcg tctcctca 378

<210> 196

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH56

<400> 196

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ccaggcaagg ggctggagtg ggtggcagtt gtctactatg atggaagtaa caaacactat 180
tcagactccg tgaagggccg attcaccatc ttcagagaca actccaagaa cacgctgtat 240
ctacaaatgg acagcctgag agccgaggac acggctgtgt attactgtgc gagagaaaga 300
aattttcgga gtggttattc ccgctactac tacggtatgg acgtctgggg cccagggacc 360
acggtcaccg tctcctca 378

<210> 197

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH8

<400> 197

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acttgccggg caaatcagac catcagaacc tctttaaatt ggtatcaaca aagacctggg 120
aaagccccta acctcctgat ctatggtgca tccaggttgc atagtggggg cccatcaagg 180
tttagtggcg gtatttctgg ggcagacttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcagcagact tacggttatt ctcgaacgtt cggccaaggg 300
accaaggtgg atatcaaacg a 321

<210> 198

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH12

<400> 198

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acttgccggg caagtcacaa catttacagg tctttaaatt ggtttcagca taaaccaggg 120
gaagccccta agctcctggt ctatgctgca tccagtctgc agcgtggggg cccaaccagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct tcaacctgaa 240
gactctgcca cttacttctg tcaacagagt gtcacattcc cctacacttt tggccagggg 300
accaagctgg agatcagacg a 321

<210> 199

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH13

<400> 199

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccagtttgc gaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc cctacacttt tggccagggg 300
accaagctgg agatcaaacg a 321

<210> 200

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH14

<400> 200

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acttgccggg caagtcagaa cattaggagg tctttaaatt ggtatcaaca caaaccaggg 120
agagccccta gactcctgat ctatgctgca tccactttgc aaagtggggg cccatcaagg 180
ttcaggggca gtggatctgg gacagatttc actctcacca tcaacagtct gcaacctgca 240
gattttgcaa cttactactg tcagcagagt tccaataccc cgtggacgtt cggccatggg 300
accaaggtgg aaatcaaacg a 321

<210> 201

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH16

<400> 201

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acttgccggg caagtcagag cattagcagc tattttaaatt ggtatcaaca gaaaccaggg 120
aaagccccta agtcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtgga gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc ctccaacttt cggcggaggg 300
accaaggtgg agatcaaacg a 321

<210> 202

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH18

<400> 202

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acttgccggg caagtcagag tattagcatc gctttaaatt ggtatcagca gagaccaggg 120
aaagccccta agtcctgat gtatgctaca tccactttgc aaagtggggg cccatcaagg 180
ttcagtgga gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacaatat tacaataaac ctactttcgg ccctgggacc 300
aaggtggata tcaaacga 318

<210> 203

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH20

<400> 203

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acttgccggg caagtcagag cattagcagg tcttttaaatt ggtatcaaca taaaccaggg 120
gaagccccta agctcctgat ctatgctgca tccagtctgc agcgtgggggt cccacccagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gactttgcga cttacttctg tcaacagagt gtcagaatcc cgtacagttt tggccagggg 300
accaagctgg agatcaaacg a 321

<210> 204

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH21

<400> 204

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acttgccggg ccagtcaggg cattaggagt tatttagcct ggtatcagca aaaaccaggg 120
aaagccccta agctccta atctatgctgca tccactttgc aaagtgggggt cccatcaagg 180
ttcagcggca gtggatctgg gacagaattc actctcacia tcgccagcct gcagcctgat 240
gattttgcaa cttattactg tcaacagctt aataattacc cccctttcac tttcgccct 300
gggaccaaag tggatatcaa acga 324

<210> 205

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH24

<400> 205

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acttgccggg caagtcagag cattagcacc tatttaaatt ggtatcagca gagaccaggg 120
aaagccccta acctcctgat ctatgctgca tccactttgc aaaggggggt cccatcaagg 180
ttcactggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacactaccc tgtggacgtt cggccaaggg 300
accaagatgg aaatcagacg a 321

<210> 206

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH26

<400> 206

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtgcca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtttcc gaaggtacag ttttggccag 300
gggaccaagc tggagatcaa acga 324

<210> 207

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH28

<400> 207

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acttgccggg cagatcagaa cattaggagg tctttaaatt ggtttcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtgcca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tccagtaccc cgtggacgtt cggccgaggg 300
accaaggtgg aaatcaaacg a 321

<210> 208

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH30

<400> 208

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acttgccggg caagtcagag cattcggagg tctttaaatt ggtatcagca gagtccaggg 120
aaaacccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtgcca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc tcactttcgg cggagggacc 300
aaggtggaga tcaaacga 318

<210> 209

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH32

<400> 209

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cctggccagg caccagggc actgatttat ggttcaaaca acaaactc ctggaccctt 180
gccccgttct caggctccct ccttgggggc aaagctgccc tgacactgtc aggtgtgcag 240
cctgaggacg aggcggagta ttactgcctg ctcttctatg ctggtgcttg ggcgttcggc 300
ggagggacca agctgaccgt ccta 324

<210> 210

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH34

<400> 210

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccggtttgc aaagtggggt cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc ccccgtagac ttttggccag 300
gggaccaagc tggagatcaa acga 324

<210> 211

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH36

<400> 211

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120
aaatccccta agctcctgat ctatgctgca tccagtttgc aaagtggggt cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc ctccggtttt cggccctggg 300
accaaagtgg atatcaaagc a 321

<210> 212

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH39

<400> 212

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aaagcccca aactcctggt atatgctgtg tccagtttgc aaagtggggc cccatcaagg 180
ttcagtggca gtggctctgg gacacatttc actctcacca tcaccagtct gcaacctgaa 240
gattttgcaa cttacttctg ccaacagagt tacagttctc ctttcacttt tggccagggg 300
accaaggttg agatcaaacg a 321

<210> 213

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH41

<400> 213

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acttgccggg caagtcagaa cattaggagg tctttaaatt ggtatcaaca caaaccaggg 120
agagcccta gactcctgat ctatgctgca tccactttgc aaagtggggg cccatcaagg 180
ttcaggggca gtggatctgg gacagatttc actctcacca tcaacagtct gcaacctgca 240
gattttgcaa cttactactg tcagcagagt tccaataccc cgtggacgtt cggccatggg 300
accaaggttg aaatcaaacg a 321

<210> 214

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH44

<400> 214

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acttgccggg caagtcagac cattcccagg ttcttgaatt ggtatcaaca gaagcctgga 120
aaagccctg ttctcctgat tcatagtata tccagtttac aaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagagttc actctcacca tcagcagtct gcaacctgaa 240
gatttcgcaa cttactactg ccaacagagt tacagtaatc tctctttcgg ccctggggacc 300
acagtggata ttagacga 318

<210> 215

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH46

<400> 215

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acttgccggg caagtcagta cattagcagc tattttaaatt ggtatcagca gaaaccaggg 120
aaagccccta atctcctgat ctatgctgca tccagtttgc aaagtgggggt cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagact tacagttccc ctagcacttt cggccctggg 300
accaaagtgg atatcaaacg a 321

<210> 216

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH47

<400> 216

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acttgccggg caagtcagag cattagcaac tattttaaatt ggtatcagca gaaaccagga 120
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ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagttatc ctcgcacgtt cggccaaggg 300
accaaggtgg agatcagacg a 321

<210> 217

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH48

<400> 217

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acttgccggg caagtcagta cattagcagc tattttaaatt ggtatcagca gaaaccaggg 120
aaagccccta atctcctgat ctatgctgca tccagtttgc aaagtgggggt cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagact tacagttccc ctagcacttt cggccctggg 300
accaaagtgg atatcaaacg a 321

<210> 218

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH49

<400> 218

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acttgccggg caagtcagag cattagcagc tatttaaatt ggtatcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc cgtggacgtt cggccaaggg 300
accaaggtgg aaatcaaacg a 321

<210> 219

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH50

<400> 219

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acttgccgga caagtcagag cattggcacc tatttaaatt ggtatcaaca aaaaccaggg 120
aaagccccta aactcctgat ctatgctgca tccaatgtgc aaagtggggg cccatcaagg 180
ttcagtggcg gtggatctgg gacaggtttc tctctcatca tcagcagtct gcaacctgaa 240
gatttagcaa ttactactg ccaacagagc tacagtgtcc ctccgtacag ctttggcccc 300
gggaccaagc tggagatcaa acga 324

<210> 220

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH51

<400> 220

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acttgccggg ccagtcaggg cataaggagt tatttagcct ggtatcagca aaaaccaggg 120
aaagccccta agctccta atctatgctgca tccactttgc aaagtggggg cccatcaagg 180
ttcagcggca gtggatctgg gacagaattc actctcacia tcagcagcct gcagcctgaa 240
gattttgcaa cttattactg tcaacagctt aataattacc cccctttcac tttcggccct 300
gggaccaaag tggatatcaa acga 324

<210> 221

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH52

<400> 221

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acttgccggg caagtcagag cattggcact tatttaaatt ggtatcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc cgtggacgtt cggccaaggg 300
accaaggtgg aaatcaaacg a 321

<210> 222

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH54

<400> 222

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acttgccggg caagtcagag cattggcact tatttaaatt ggtatcagca gaaaccaggg 120
aaagccccta agctcctgat ctatgctgca tccagtttgc aaagtggggg cccatcaagg 180
ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 240
gattttgcaa cttactactg tcaacagagt tacagtaccc cgtggacgtt cggccaaggg 300
accaaggtgg aaatcaaacg a 321

<210> 223

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH55

<400> 223

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ggaacggccc ccaaactcct catttatagt aataatcagc ggccctcagg ggtccctgac 180
cgattctctg ccttcaagtc tggcacctca gcctccctgg ccatactagg gctccagggt 240
gaggatgagg ctaattatta ctgccagtc tatgacagcg gcctgagtgg ctgggtgttc 300
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<210> 224

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> anti-Rh(D) antibody clone SH56

